

IN THE CLAIMS

Kindly cancel claims 2, 6, 7 and 8 from the case, amending the remaining claims as follows:

1. (Currently amended) A pulsed charge applicator useful in inducing an increase in the charge state of a biological molecule molecules forming a part of the tissue of a living organism, comprising:

a generally rectangular hollow chamber defined by a front wall and an opposed rear wall
each of a translucent material joined at the peripheries for enclosing a volume of gas confined therebetween;

a planar electrode affixed to the exterior of said chamber in contiguous alignment adjacent said rear wall, said electrode including a conductor connected thereto;

and

means for producing an electrical pulsed charge means connected to the free end of said conductor for producing a sequence of electrical charge pulses of an electrical potential relative the ambient charge level sufficient to excite selected ones one or more of the molecules comprising said volume of gas to a higher level of excitation, each said occurrence of energy excitation change producing a discrete electromagnetic pulse.
2. (Currently canceled)
3. (Currently amended) Apparatus according to claim 2 1, wherein:

said chamber is conformed for intimate contact with the skin of a person at the front surface thereof.

4. (Original) Apparatus according to claim 3, further comprising:

an insulating handle attached to said chamber and conformed to enclose said conductor therein, whereby the preferred path of electrical discharge between said conductor, said electrode and said tissue is across said chamber.

5. (Currently amended) A pulsed charge applicator useful in inducing an increase in the electrical charge state of a biological molecule in human tissue, comprising:

a generally rectangular hollow chamber defined by a transparent front wall and an opposed rear wall enclosing a volume of gas including water vapor and carbon dioxide confined therebetween, said chamber being conformed for intimate contact with the tissue of a person at the front surface thereof.

an insulating handle attached to said chamber and conformed to enclose said conductor therein, whereby the preferred path of electrical discharge between said conductor, said electrode and said tissue is across said chamber;

a planar electrode affixed to the exterior of said chamber in contiguous alignment adjacent said rear wall, said electrode including a conductor connected thereto; and

means for producing an electrical pulsed charge means connected to the free end of said conductor for producing a sequence of electrical charge pulses of an electrical potential relative the ambient charge level sufficient to excite selected ones one or more of the molecules comprising said volume of gas to a higher level of

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excitation, each said occurrence of energy excitation change producing a discrete electromagnetic pulse, said means for producing an electrical pulsed charge completing the other part of its circuit across ambient space.

6. (Currently canceled)
7. (Currently canceled)
8. (Currently canceled).
9. (Currently amended) Apparatus for inducing a change in the local electrical charge of living tissue, comprising:
an electrical circuit conformed to produce a sequence of electric charge pulses each of an electrical potential sufficient to excite a selected gas molecule to a higher level of excitation and thereby producing an electromagnetic pulse associated therewith;
a generally flat hollow chamber defined by a translucent front wall and an opposed rear wall enclosing a volume of gas confined therebetween, said gas including said selected gas molecules; and
a planar electrode affixed to the exterior of said chamber in contiguous alignment adjacent said rear wall, said electrode including a conductor connected to one side of said electrical circuit with the other side thereof coupled across ambient space to said tissue, whereby said electromagnetic pulses produced in said chamber are communicated into said tissue.

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10. (Original) Apparatus according to claim 9, further comprising:
an insulating handle attached to said chamber and conformed to enclose said electrical circuit and conductor therein, whereby the preferred path of electrical discharge between said conductor, said electrode and said tissue is across said chamber;

11. (Original) Apparatus according to claim 10, wherein:
said chamber is conformed for intimate contact with the skin of a person at the front surface thereof.

12. (Original) Apparatus according to claim 11, wherein:
said gas volume includes molecules of water.

13. (Original) Apparatus according to claim 12, wherein:
said gas volume includes molecules of carbon dioxide.

14. (Currently amended) Apparatus according to claim 13, wherein:
said means for producing an electrical pulsed charge means includes voltage doublers.
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